

In order to help facilitate the transition to Arizona's Common Core Standards and the PARCC assessment, this document provides the changes in standards (from 2008 to 2010) and in assessments (from AIMS to PARCC). Descriptions of the document's columns are as follows.

Addressed by AIMS (2013 and 2014) – The Performance Objectives identified in the two columns below this heading are to be embedded in instruction and are assessed by AIMS in 2013 and 2014.

- Removed from Specifically Being Tested in 2015 Some of the more "granular" POs from the 2008 Standard have been incorporated into the more "global" standards of Arizona's Common Core Standards by becoming examples or prerequisite knowledge for teaching the concept. This column notes the Performance Objectives that have been removed as being tested as a specific objective. The Performance Objectives identified in this column will still be assessed by AIMS in 2013 and 2014.
- Moved to a Different Grade Level Performance Objectives listed in this column will move to a different grade level for Arizona's Common Core Standards and the PARCC Assessment as indicated at the end of the PO. <u>The Performance</u> <u>Objectives identified in this column will still be assessed by AIMS in 2013 and 2014 at the current grade level</u>.

Addressed by PARCC (2015) – The Performance Objectives identified in the two columns below this heading are included in the 2010 Standards and are expected to be addressed by the PARCC assessment.

- Moved from Another Grade Level For alignment to Arizona's Common Core Standards and to be addressed by the PARCC
 Assessment, the Performance Objectives identified in this column are moved into the current grade level from another grade
 level as indicated at the beginning of the PO.
- New Standards As noted by an asterisk in the Mathematics Crosswalks, the standards listed in this column from Arizona's Common Core Standards are new and will not match any of the POs from the 2008 Standard. These new standards are expected to be addressed by the PARCC assessment.



GRADE 7			
Addressed by AIMS (2013 and 2014)		Addressed by PARCC (2015)	
Removed from Specifically Being Tested in 2015	Moved to a Different Grade Level	Moved from Another Grade Level	New Standards
M07-S1C3-04 (2008) Estimate the measure of an object in one system of units given the measure of that object in another system and the approximate conversion factor.	M07-S1C1-02 (2008) Find or use factors, multiples, or prime factorization within a set of numbers. MOVED to 6.NS.4	M08-S3C4-02 (2008) MOVED to 7.RP.1 Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. For example, if a person walks ½ mile in each ¼ hour, compute the unit rate as the complex fraction ½/¼ miles per hour, equivalently 2 miles per hour.	 7.RP.2 Recognize and represent proportional relationships between quantities. d. Explain what a point (x, y) on the graph of a proportional relationship means in terms of the situation, with special attention to the points (0, 0) and (1, r) where r is the unit rate.
M07-S2C3-02 (2008) Solve counting problems using Venn diagrams and represent the answer algebraically.	M07-S1C1-03 (2008) Compare and order rational numbers using various models and representations. MOVED to 6.NS.7	M08-S1C2-03 (2008) MOVED TO 7.RP.3 Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.	7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram. a. Describe situations in which opposite quantities combine to make 0. For example, a hydrogen atom has 0 charges because its two constituents are oppositely charged.



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Addressed by AIMS (2013 and 2014)		Addressed by PARCC (2015)	
Removed from Specifically	Moved to a	Moved from	New Standards
Being Tested in 2015	Different Grade Level	Another Grade Level	
M07-S2C4-01 (2008) Use vertex-edge graphs and algorithmic thinking to represent and find solutions to practical problems related to Euler/Hamilton paths and circuits.	M07-S1C2-04 (2008) Represent and interpret numbers using scientific notation (positive exponents only). MOVED to 8.EE.3	M06-S1C2-01(2008) MOVED TO 7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	
M07-S5C2-09 (2008) Solve logic problems using multiple variables and multiple conditional statements using words, pictures and charts.	M07-S1C3-01 (2008) Estimate and apply benchmarks for rational numbers and common irrational numbers. MOVED to 8.NS.2	MHS-S1C1-03 MOVED TO 7.NS.1b Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process.	
M07-S5C2-10 (2008) Demonstrate and explain that the process of solving equations is a deductive proof.	M07-S1C3-03 (2008) Estimate square roots of numbers less than 1000 by locating them between two consecutive whole numbers. MOVED to 8.NS.2	M08-S1C1-04 (2008) and MHS-S1C1-03 (2008) MOVED TO 7.NS.1c Understand subtraction of rational numbers as adding the additive inverse, $p-q=p+(-q)$. Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world contexts.	



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Removed from Specifically	Moved to a	Moved from	New Standards
Being Tested in 2015	M07-S2C1-01 (2008) Solve problems by selecting, constructing, and interpreting displays of data including multi-line graphs and scatterplots. MOVED to 8.SP.1	Another Grade Level M06-S4C4-03 (2008) MOVED TO 7.G.1 Solve problems involving scale drawings of geometric figures, such as computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.	
	M07-S2C1-02 (2008) Interpret trends in a data set, estimate values for missing data, and predict values for points beyond the range of the data set. MOVED to 8.SP.1	M08-S4C1-02 (2008) MOVED TO 7.G.3 Describe the two-dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids.	
	M07-S2C1-03 (2008) Identify outliers and determine their effect on mean, median, mode, and range. MOVED to 8.SP.1	M06-S4C1-01 (2008) MOVED TO 7.G.4 Know the formulas for the area and circumference of a circle and solve problems; give an informal derivation of the relationship between the circumference and area of a circle.	
	M07-S3C3-02 (2008) Evaluate an expression containing one or two variables by substituting numbers for the variables. MOVED to 6.EE.1, 6.EE.2, 6.EE.4	M06-S4C1-02 (2008) and MOVED TO 7.G.5 Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.	



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Removed from Specifically	Moved to a	Moved from	New Standards
Being Tested in 2015	Different Grade Level	Another Grade Level	
	M07-S3C3-04 (2008) Translate	M08-S2C1-05 (2008) and	
	between graphs and tables that	MHS-S2C1-01 (2008) MOVED TO	
	represent a linear equation. MOVED	7.SP.2	
	to 6.EE.9	Use data from a random sample to	
		draw inferences about a population	
		with an unknown characteristic of	
		interest. Generate multiple samples	
		(or simulated samples) of the same	
		size to gauge the variation in	
		estimates or predictions. For	
		example, estimate the mean word	
		length in a book by randomly	
		sampling words from the book;	
		predict the winner of a school	
		election based on randomly sampled	
		survey data. Gauge how far off the	
		estimate or prediction might be.	



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	M07-S4C1-01 (2008) Recognize the	M08-S2C1-03 (2008) MOVED TO	
	relationship between central angles	7.SP.3	
	and intercepted arcs; identify arcs	Informally assess the degree of visual	
	and chords of a circle.	overlap of two numerical data	
	MOVED to HS.G-C.2	distributions with similar variabilities,	
		measuring the difference between	
		the centers by expressing it as a	
		multiple of a measure of variability.	
		For example, the mean height of	
		players on the basketball team is 10	
		cm greater than the mean height of	
		players on the soccer team, about	
		twice the variability (mean absolute	
		deviation) on either team; on a dot	
		plot, the separation between the two	
		distributions of heights is noticeable.	
	M07-S4C1-04 (2008) Describe the	MHS-S2C1-05 (2008) MOVED TO	
	relationship between the number of	7.SP.4	
	sides in a regular polygon and the	Use measures of center and	
	sum of its interior angles. MOVED to	measures of variability for numerical	
	HS.G-CO.10	data from random samples to draw	
		informal comparative inferences	
		about two populations.	



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Removed from Specifically	Moved to a	Moved from	New Standards
Being Tested in 2015	Different Grade Level	Another Grade Level	
	M07-S4C1-05 (2008) Identify	M04-S2C2-01 and M05-S2C2-01	
	corresponding parts of congruent	(2008) MOVED TO 7.SP.5 Understand	
	figures	that the probability of a chance event	
	MOVED to 8.G.2	is a number between 0 and 1 that	
		expresses the likelihood of the event	
		occurring. Larger numbers indicate	
		greater likelihood. A probability near	
		0 indicates an unlikely event, a	
		probability around ½ indicates an	
		event that is neither unlikely nor	
		likely, and a probability near 1	
		indicates a likely event.	



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	M07-S4C2-01 (2008) Model the result	M06-S2C2-01 and M06-S2C2-02	
	of a double transformation	(2008) MOVED TO 7.SP.7a Develop a	
	(translations or reflections) of a 2-	probability model and use it to find	
	dimensional figure on a coordinate	probabilities of events. Compare	
	plane using all four quadrants.	probabilities from a model to	
	MOVED to 8.G.1, 8.G.2, 8.G.3, 8.G.4	observed frequencies; if the	
		agreement is not good, explain	
		possible sources of the discrepancy.	
		a. Develop a uniform probability	
		model by assigning equal	
		probability to all outcomes, and	
		use the model to determine	
		probabilities of events. For	
		example, if a student is selected	
		at random from a class, find the	
		probability that Jane will be	
		selected and the probability that	
		a girl will be selected.	
		Develop a probability model (which	
		may not be uniform) by observing	
		frequencies in data generated from a	
		chance process.	
	M07-S4C4-02 (2008) Identify	M08-S2C2-02 (2008) and MHS-S2C2-	
	polygons having the same perimeter	05 (2008) MOVED TO 7.SP.7b	
	or area.	Develop a probability model (which	
	MOVED to 6.G.1	may not be uniform) by observing	
		frequencies in data generated from a	
		chance process.	



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Being Tested in 2015	Different Grade Level	Another Grade Level	
	M07-S5C1-01 (2008) Create an	M08-S2C2-01(2008) MOVED TO	
	algorithm to determine the area of a	7.SP.8a	
	given composite figure.	Understand that, just as with simple	
	MOVED to 6.G.1	events, the probability of a	
		compound event is the fraction of	
		outcomes in the sample space for	
		which the compound event occurs.	
		M06-S2C2-03 (2008) and	
		M08-S2C2-03 MOVED TO 7.SP.8b	
		Represent sample spaces for	
		compound events using methods	
		such as organized lists, tables and	
		tree diagrams. For an event	
		described in everyday language (e.g.,	
		"rolling double sixes"), identify the	
		outcomes in the sample space which	
		compose the event.	
		NOTE: There is an increased	
		expectation at seventh grade to use	
		measures of center and variability to	
		compare two populations. Please see	
		crosswalk for detailed information.	